

References

- [1] Joep Aerts, Jan Korst, and Frits Spieksma. Approximation of a retrieval problem for parallel disks. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 178–188. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [2] Kazuyuki Amano and Akira Maruoka. Some properties of mod_m circuits computing simple functions. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 227–237. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [3] Andreas Baltz and Anand Srivastav. Fast approximation of minimum multicast congestion - implementation versus theory. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 165–177. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [4] Cristina Bazgan, Refael Hassin, and Jérôme Monnot. Differential approximation for some routing problems. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 277–288. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [5] Arijit Bishnu, Sandip Das, Subhas C. Nandy, and Bhargab B. Bhattacharya. An improved algorithm for point set pattern matching under rigid motion. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 36–45. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

- [6] Hans-Joachim Böckenhauer, Dirk Bongartz, Juraž Hromkovič, Ralf Klasing, Guido Proietti, Sebastian Seibert, and Walter Unger. On k -edge-connectivity problems with sharpened triangle inequality. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 189–200. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [7] Giancarlo Bongiovanni and Paolo Penna. Xor-based schemes for fast parallel ip lookups. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 238–250. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [8] Paola Bonizzoni, Gianluca Della Vedova, and Riccardo Dondi. Reconciling gene trees to a species tree. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 120–131. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [9] Joan Boyar and Lene M. Favrholdt. The relative worst order ratio for on-line algorithms. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 58–69. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [10] Richard Bruce, Michael Hoffmann, Danny Krizanc, and Rajeev Raman. Efficient update strategies for geometric computing with uncertainty. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 12–23. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [11] Wun-Tat Chan, Tak-Wah Lam, Hing-Fung Ting, and Prudence W.H. Wong. On-line stream merging, max span, and min coverage. In

- Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 70–82. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [12] Victor D. Chepoi, Feodor F. Dragan, and Chenyu Yan. Additive spanners for k -chordal graphs. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 96–107. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [13] Miroslav Chlebík and Janka Chlebíková. Approximation hardness for small occurrence instances np -hard problems. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 152–164. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [14] William Duckworth and Bernard Mans. Randomised algorithms for finding small weakly-connected dominating sets of regular graphs. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 83–95. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [15] Alessandra Gabriele, Fillippo Mignosi, Antonio Restivo, and Marinella Sciortino. Indexing structures for approximate string matching. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 140–151. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [16] Jens Gramm, Jiong Guo, Falk Hüffner, and Rolf Niedermeier. Graph-modeled data clustering: Fixed-parameter algorithms for clique gen-

- eration. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 108–119. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [17] Klaus Holzapfel, Sven Kosub, and BOOKTITLE = Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003) SERIES = LNCS VOLUME = 2653 PAGES = 201-212 YEAR = 2003 EDITOR = Petreschi, Rossella and Persiano, Giuseppe and Silvestri, Riccardo PUBLISHER = Springer-Verlag ADDRESS = Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo TYPE = inproceedings Maaß, Moritz G. and Täubig, Hanjo, TITLE = The complexity of detecting fixed-density clusters.
- [18] Bala Kalyanasundaram, Mahe Velauthapillai, and John Waclawsky. Unlocking the advantages of dynamic service selection and pricing. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 46–57. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [19] Dimitrios Koukopoulos, Marios Mavronicolas, Sotiris Nikolettseas, and Paul Spirakis. The impact of network structure on the stability of greedy protocols. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 251–263. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [20] Evangelos Kranakis, Paolo Penna, Konrad Schlude, David Scot Taylor, and Peter Widmayer. Improving customer proximity to railway stations. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 264–276. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

- [21] Charles E. Leiserson. Cache-oblivious algorithms. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 5–5. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [22] Euripides Markou, Stathis Zachos, and Christodoulos Fragoudakis. Maximizing the guarded boundary of an art gallery is apx-complete. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 24–35. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [23] David Peleg. Localized network representations. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 1–1. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [24] David Peleg. Spanning trees with low maximum/average stretch. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 6–6. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [25] Michael O. Rabin. Hyper encryption and everlasting secrets. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 7–10. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [26] John E. Savage. Computing with electronic nanotechnologies. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*,

pages 11–11. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.

- [27] Jayme L. Szwarcfiter. Generating all forest extensions of a partially ordered set. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 132–139. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [28] Jayme L. Szwarcfiter. On the generation of extensions of a partially ordered set. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 3–3. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [29] Jayme L. Szwarcfiter. Optimal binary search trees with costs depending on the access paths. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 2–2. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [30] Luca Trevisan. Error-correcting codes in complexity theory. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 4–4. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.
- [31] Tomoyuki Yamakami. Nearly bounded error probabilistic sets. In Rossella Petreschi, Giuseppe Persiano, and Riccardo Silvestri, editors, *Proceedings of the 5th Italian Conference of Algorithms and Complexity, CIAC'2003 (Rome, Italy, May 28-30, 2003)*, volume 2653 of *LNCS*, pages 213–226. Springer-Verlag, Berlin-Heidelberg-New York-Hong Kong-London-Milan-Paris-Tokyo, 2003.